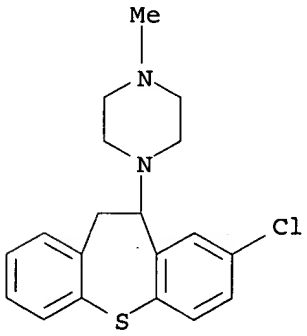
L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 13448-22-1 REGISTRY
CN Piperazine, 1-(8-chloro-10,11-dihydrodibenzo[b,f]thiepin-10-yl)-4-methyl-
(8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Dibenzo[b,f]thiepin, piperazine deriv.
OTHER NAMES:
CN (.+-.)-Clothepin
CN (.+-.)-Octoclothepin
CN Chlorothepin
CN Clorotepine
CN Clotepin
CN Clothepin
CN **Octoclothepin**
CN Octoclothepine
DR 41931-02-6
MF C19 H21 Cl N2 S
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, PHAR, PROMT, RTECS*, TOXCENTER, USAN, USPATFULL
(*File contains numerically searchable property data)
Other Sources: WHO

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C4N2	NC2NC2	6	C4N2	46.383.1	1
C6-C6-C6S	C6-C6-SC6	6-6-7	C14S	3068.72.3	1



Calculated Properties (CALC)

PROPERTY (CODE)	VALUE	CONDITION	NOTE
Bioconc. Factor (BCF)	1	pH 1	(1) ACD
Bioconc. Factor (BCF)	1	pH 4	(1) ACD

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=> d his

     (FILE 'HOME' ENTERED AT 14:36:45 ON 01 MAR 2003)

     FILE 'CAPLUS' ENTERED AT 14:37:56 ON 01 MAR 2003
L1             3 S US20020127544/PN
                 SELECT L1 3 RN
L2           394 S E1-E4
                 SELECT L1 1 RN
L3            91 S E5-E52

     FILE 'REGISTRY' ENTERED AT 14:46:56 ON 01 MAR 2003
L4             1 S 403674-87-3/RN

     FILE 'REGISTRY' ENTERED AT 14:47:18 ON 01 MAR 2003
L5             1 S 403675-04-7/RN

     FILE 'REGISTRY' ENTERED AT 14:47:55 ON 01 MAR 2003
L6             1 S 403679-22-1/RN
L7             1 S OCTOCLOTHEPIN/CN

     FILE 'CAPLUS' ENTERED AT 14:54:12 ON 01 MAR 2003
L8           131 S OCTOCLOTHEPIN OR 13448-22-1/RN
L9             2 S L8 AND (AIDS OR HIV OR VIRUS OR VIRAL DIRE OR ?ITIS OR
INFLAM
L10          122 S L8 NOT PY>=2000
L11           90 S L8/THU
L12            0 S L1 NOT PY>=2000
L13           84 S L11 NOT PY>=2000

     FILE 'EUROPATFULL, PCTFULL, USPAT2, WPIDS' ENTERED AT 15:16:01 ON 01 MAR
     2003
L14           11 S L8
L15           11 S OCTOCLOTHEPIN
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inventor own invention

method of treating free from prior art

CMV NO

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=> d his

     (FILE 'HOME' ENTERED AT 14:36:45 ON 01 MAR 2003)

     FILE 'CAPLUS' ENTERED AT 14:37:56 ON 01 MAR 2003
L1             3 S US20020127544/PN
                 SELECT L1 3 RN
L2           394 S E1-E4
                 SELECT L1 1 RN
L3            91 S E5-E52

     FILE 'REGISTRY' ENTERED AT 14:46:56 ON 01 MAR 2003
L4             1 S 403674-87-3/RN

     FILE 'REGISTRY' ENTERED AT 14:47:18 ON 01 MAR 2003
L5             1 S 403675-04-7/RN

     FILE 'REGISTRY' ENTERED AT 14:47:55 ON 01 MAR 2003
L6             1 S 403679-22-1/RN
L7             1 S OCTOCLOTHEPIN/CN

     FILE 'CAPLUS' ENTERED AT 14:54:12 ON 01 MAR 2003
L8           131 S OCTOCLOTHEPIN OR 13448-22-1/RN
L9             2 S L8 AND (AIDS OR HIV OR VIRUS OR VIRAL DIRE OR ?ITIS OR
INFLAM
L10          122 S L8 NOT PY>=2000
L11           90 S L8/THU
L12            0 S L1 NOT PY>=2000
L13           84 S L11 NOT PY>=2000

     FILE 'EUROPATFULL, PCTFULL, USPAT2, WPIDS' ENTERED AT 15:16:01 ON 01 MAR
     2003
L14           11 S L8
L15           11 S OCTOCLOTHEPIN

     FILE 'REGISTRY' ENTERED AT 15:24:02 ON 01 MAR 2003
L16            1 S METHIOTHEPIN/CN

     FILE 'CAPLUS' ENTERED AT 15:24:52 ON 01 MAR 2003

     FILE 'USPATFULL' ENTERED AT 15:31:30 ON 01 MAR 2003
L17           11 S L15

     FILE 'CAPLUS' ENTERED AT 15:37:25 ON 01 MAR 2003
L18            0 S L8 AND LEUKOCYTE#

     FILE 'MEDLINE, EMBASE, BIOSIS' ENTERED AT 15:55:51 ON 01 MAR 2003
L19       172488 S (NEUTROPHILS OR LYMPHOCYTE# OR NEUROLEPT?)(L)(AIDS OR HIV
OR

     FILE 'MEDLINE' ENTERED AT 15:59:58 ON 01 MAR 2003
L20        93813 S (NEUTROPHILS OR LYMPHOCYTE# OR NEUROLEPT?)(S)(IMMUNO? OR
VIRU
L21          291 S NEUROLEPTIC(S)(IMMUNO? OR VIRUS OR INFLAMMAT?)
L22          240 S L21 NOT PY>=2000

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L13 ANSWER 21 OF 84 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:46045 CAPLUS
DOCUMENT NUMBER: 96:46045
TITLE: Study of some mechanisms of the action of metamyzil and octoclothepin
AUTHOR(S): Gogelya, A. I.
CORPORATE SOURCE: M. M. Asatiani Inst. Psychiatr., Tbilisi, USSR
SOURCE: Izvestiya Akademii Nauk Gruzinskoi SSR, Seriya Biologicheskaya (1981), 7(4), 374-6
CODEN: IGSBDO; ISSN: 0321-1665
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Both metamyzil [10503-18-1] and octoclothepin (I) [**13448-22-1**] increased the size and wt. of the nuclei in the blood neutrophils and lymphocytes of patients with hallucinatory paranoid schizophrenia. The no. of Barr bodies (sex chromatin) also increased after administration of the drugs. Apparently, the enhanced nuclear material results in the enhancement of pentose phosphate metabolic pathways, with a corresponding increase in agranular endoplasmic reticulum.
IT 10503-18-1 **13448-22-1**
RL: BIOL (Biological study)
(lymphocyte and neutrophil response to, in schizophrenia, in humans)

L13 ANSWER 29 OF 84 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:615097 CAPLUS
DOCUMENT NUMBER: 93:215097
TITLE: Pharmacological properties of a potent neuroleptic drug octoclothepin
AUTHOR(S): Metysova, J.; Metys, J.; Dlabac, A.; Kazdova, E.; Valchar, M.
CORPORATE SOURCE: Dep. Pharmacol., Res. Inst. Pharm. Biochem., Prague, 130 60, Czech.
SOURCE: Acta Biologica et Medica Germanica (1980), 39(6), 723-40
CODEN: ABMGAJ; ISSN: 0001-5318
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB The phrmacol. of octoclothepin (I) [**13448-22-1**] is reviewed; 70refs.
IT **13448-22-1**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacol. of)

selected for more extensive displacement studies in membranes from rat and mouse brains, from two cultured cell prepns. expressing heteromeric mouse-derived 5-HT3 receptor proteins (NCB20 and NG108-15 cell lines), and from recombinant Sf9 cells expressing homomeric 5-HT3A receptors. [125I]DAIZAC bound specifically to a single site in each of the five tissue prepns. with high affinity (KD 0.12-0.19 nM). The densities of [125I]DAIZAC-labeled 5-HT3 receptors were 7.4-7.5 fmol/mg protein in membranes from murine brain, and 38, 99, and 1588 fmol/mg protein in membranes from cultured NCB20, NG108-15, and recombinant Sf9 cells, resp. The affinity of substituted benzamides (n=10) was similar in all five tissue prepns. The affinity of dibenzepines (n=17) was significantly higher in membranes from cultured cells as compared to membranes from rat and mouse brain, but similar in the two brain membrane prepns., and in each of the cultured cell membrane prepns. Serotonin-, phenylbiguanide-, and quipazine-analogs (n=10), which typically function as 5-HT (5-hydroxytryptamine) agonists, exhibited significantly higher apparent pKi values in membranes from rat brain and Sf9 recombinant cells than in membranes from the three prepns. expressing heteromeric mouse-derived 5-HT3 receptor proteins ($F=7.52$, $P<0.001$). These findings confirm that there are both species and cell-type dependent differences in binding to 5-HT3 receptors, and that care must be taken when comparing results between exptl. paradigms that utilize different sources of 5-HT3 receptors.

ST serotonin receptor binding screening structure activity species difference brain

IT 5-HT receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study) (5-HT3; discrimination in 5-HT3 receptor binding in murine brain and cultured cell prepns.)

IT Antidepressants
Antipsychotics
Brain
Drug design
Drug screening
Human
Mouse
Rat

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:172238 CAPLUS
DOCUMENT NUMBER: 136:226769
TITLE: US28 and homolog expression by cytomegaloviruses and its interaction with chemokines as a basis to prevent cytomegalovirus infection and dissemination
INVENTOR(S): Schall, Thomas J.; Penfold, Mark
PATENT ASSIGNEE(S): Chemocentryx, Inc., USA
SOURCE: PCT Int. Appl., 95 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018954	A2	20020307	WO 2001-US27392	20010830
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001088682	A5	20020313	AU 2001-88682	20010830
US 2002127544	A1	20020912	US 2001-944163	20010830

PRIORITY APPLN. INFO.:
US 2000-229365P P 20000830
US 2000-228974P P 20000830
US 2000-229191P P 20000830
WO 2001-US27392 W 20010830

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:171670 CAPLUS
DOCUMENT NUMBER: 136:210544
TITLE: Modulators of US28 chemokine receptors and their use for blocking cytomegalovirus dissemination
INVENTOR(S): Schall, Thomas J.; McMaster, Brian E.; Dairaghi, Daniel J.
PATENT ASSIGNEE(S): Chemocentryx, Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002017900	A2	20020307	WO 2001-US27363	20010830
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				

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             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2001087043     A5   20020313       AU 2001-87043    20010830
     US 2002127544     A1   20020912       US 2001-944163   20010830
PRIORITY APPLN. INFO.:                   US 2000-228974P  P  20000830
                                         US 2000-229191P  P  20000830
                                         US 2000-229365P  P  20000830
                                         WO 2001-US27363  W  20010830
OTHER SOURCE(S):         MARPAT 136:210544


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     (FILE 'HOME' ENTERED AT 14:36:45 ON 01 MAR 2003)

     FILE 'CAPLUS' ENTERED AT 14:37:56 ON 01 MAR 2003
L1             3 S US20020127544/PN
                 SELECT L1 3 RN
L2           394 S E1-E4
                 SELECT L1 1 RN
L3            91 S E5-E52

     FILE 'REGISTRY' ENTERED AT 14:46:56 ON 01 MAR 2003
L4             1 S 403674-87-3/RN

     FILE 'REGISTRY' ENTERED AT 14:47:18 ON 01 MAR 2003
L5             1 S 403675-04-7/RN

     FILE 'REGISTRY' ENTERED AT 14:47:55 ON 01 MAR 2003
L6             1 S 403679-22-1/RN
L7             1 S OCTOCLOTHEPIN/CN

     FILE 'CAPLUS' ENTERED AT 14:54:12 ON 01 MAR 2003
L8           131 S OCTOCLOTHEPIN OR 13448-22-1/RN
L9             2 S L8 AND (AIDS OR HIV OR VIRUS OR VIRAL DIRE OR ?ITIS OR
INFLAM

=> s l8 not py>=2000
       2997410 PY>=2000
L10        122 L8 NOT PY>=2000

=> s l8/thu
             0 OCTOCLOTHEPIN/CT
        493844 THU/RL
             0 OCTOCLOTHEPIN/THU
                 (OCTOCLOTHEPIN/CT (L) THU/RL)
            91 13448-22-1
             1 13448-22-1D
            90 13448-22-1/RN
                 (13448-22-1 (NOTL) 13448-22-1D )
L11         90 (OCTOCLOTHEPIN/THU OR 13448-22-1/RN)

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       2997410 PY>=2000
L12          0 L1 NOT PY>=2000

=> s l11 not py>=2000
       2997410 PY>=2000
L13         84 L11 NOT PY>=2000
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=> d ti 120
     84 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET
SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d l13 ti 1-20

L13  ANSWER 1 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Further investigations of the interactions of antipsychotics with the
     (-)-2,5-dimethoxy-4-methylamphetamine (DOM) discriminative stimulus

L13  ANSWER 2 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Application of HPLC with photodiode array detection for systematic
     toxicological analyses of drug groups

L13  ANSWER 3 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Binding of typical and atypical antipsychotic agents to
     5-hydroxytryptamine-6 and 5-hydroxytryptamine-7 receptors

L13  ANSWER 4 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Embryotoxicity of 25 psychotropic drugs:  a study using CHEST

L13  ANSWER 5 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Cloning of the gene for a human dopamine D4 receptor with high affinity
     for the antipsychotic clozapine

L13  ANSWER 6 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Analytical capillary isotachophoresis of some psychopharmacological
agents

L13  ANSWER 7 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Parameters of adsorption chromatography.  Part 6.  Adsorption parameters
     in a group of substances with CNS activity and their importance for the
     relations between chemical structure and biological activity

L13  ANSWER 8 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Characterization of binding of 3H-SCH 23390 to dopamine D1 receptors.
     Correlation to other D-1 and D-2 measures and effect of selective lesions

L13  ANSWER 9 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Neuroleptic and antidepressant drugs.  Relation between the specific
     activity and the molecular electrostatic potential.  Case of the
tricyclic
     derivatives

L13  ANSWER 10 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   On acute effects of some drugs on the higher nervous activity in man (the
     acoustic analyzer). Chlorothepin (0.5 mg and 1.0 mg), pemoline (100 mg).
     Part 51

L13  ANSWER 11 OF 84  CAPLUS  COPYRIGHT 2003 ACS
TI   Chick em
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=> s us20020127544/pn
L1            3 US20020127544/PN
                (US2002127544/PN)

=> d ibib 1-3

L1   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:172238  CAPLUS
DOCUMENT NUMBER:          136:226769
TITLE:                    US28 and homolog expression by cytomegaloviruses and
                          its interaction with chemokines as a basis to prevent
                          cytomegalovirus infection and dissemination
INVENTOR(S):              Schall, Thomas J.; Penfold, Mark
PATENT ASSIGNEE(S):       Chemocentryx, Inc., USA
SOURCE:                   PCT Int. Appl., 95 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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     WO 2002018954      A2   20020307       WO 2001-US27392  20010830
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
             US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2001088682      A5   20020313       AU 2001-88682    20010830
     US 2002127544      A1   20020912       US 2001-944163   20010830 <--
PRIORITY APPLN. INFO.:                  US 2000-229365P  P  20000830
                                        US 2000-228974P  P  20000830
                                        US 2000-229191P  P  20000830
                                        WO 2001-US27392  W  20010830

L1   ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:171733  CAPLUS
DOCUMENT NUMBER:          136:213203
TITLE:                    Reagents and methods for the diagnosis of
                          cytomegalovirus dissemination
INVENTOR(S):              Schall, Thomas J.; McMaster, Brian E.; Dairaghi,
                          Daniel J.
PATENT ASSIGNEE(S):       Chemocentryx, Inc., USA
SOURCE:                   PCT Int. Appl., 29 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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     WO 2002017969      A2   20020307       WO 2001-US27269  20010830
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2001087007	A5	20020313	AU 2001-87007	20010830	
US 2002127544	A1	20020912	US 2001-944163	20010830	<--
US 2002193374	A1	20021219	US 2001-944051	20010830	

PRIORITY APPLN. INFO.:
US 2000-229191P P 20000830
US 2000-228974P P 20000830
US 2000-229365P P 20000830
WO 2001-US27269 W 20010830

OTHER SOURCE(S): MARPAT 136:213203

L1 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:171670 CAPLUS
DOCUMENT NUMBER: 136:210544
TITLE: Modulators of US28 chemokine receptors and their use for blocking cytomegalovirus dissemination
INVENTOR(S): Schall, Thomas J.; McMaster, Brian E.; Dairaghi, Daniel J.
PATENT ASSIGNEE(S): Chemocentryx, Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 2002017900	A2	20020307	WO 2001-US27363	20010830	

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2001087043	A5	20020313	AU 2001-87043	20010830	
US 2002127544	A1	20020912	US 2001-944163	20010830	<--

PRIORITY APPLN. INFO.:
US 2000-228974P P 20000830
US 2000-229191P P 20000830
US 2000-229365P P 20000830
WO 2001-US27363 W 20010830

OTHER SOURCE(S): MARPAT 136:210544

L13 ANSWER 59 OF 84 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1974:59966 CAPLUS
DOCUMENT NUMBER: 80:59966
TITLE: Neuroleptic tricyclic enamies and their dihydro derivatives
INVENTOR(S): Protiva, Miroslav; Sindelar, Karel; Jilek, Jiri; Metys, Jan; Metysova, Jirina
SOURCE: Czech., 6 pp.
CODEN: CZXXA9
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 148800	B	19730524	CS 1969-2094	19690324

PRIORITY APPLN. INFO.: CS 1969-2094 19690324
IT 1526-82-5P 4774-32-7P 4789-62-2P 4789-68-8P 4983-96-4P
13448-22-1P 13549-21-8P 16174-71-3P 16174-79-1P
16926-52-6P 16926-53-7P 19728-87-1P 19728-88-2P 19939-33-4P
19939-35-6P 19939-36-7P 22431-21-6P 22431-55-6P 22431-61-4P
22487-46-3P 22487-47-4P 24495-42-9P 24495-43-0P 24495-46-3P
24495-58-7P 25558-80-9P 25558-83-2P 25558-84-3P 25558-85-4P
25558-97-8P 25558-98-9P 25562-34-9P 31722-09-5P 34775-50-3P
34775-51-4P 34775-53-6P 34775-90-1P 51102-24-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L13 ANSWER 60 OF 84 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1974:37156 CAPLUS
DOCUMENT NUMBER: 80:37156
TITLE: Neuroleptic 10-piperazino-10,11-dihydrodibenzo(b,f)thiepins
INVENTOR(S): Protiva, Miroslav; Jilek, Jiri; Metysova, Jirina; Pomykacek, Josef
SOURCE: Czech., 4 pp.
CODEN: CZXXA9
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 149764	B	19730823	CS 1969-7751	19691125
ES 385836	A1	19730501	ES 1970-385836	19701124
AT 310170	B	19730925	AT 1970-10577	19701124
CH 544771	A	19740115	CH 1970-17369	19701124
NL 7017200	A	19710527	NL 1970-17200	19701125
ZA 7007985	A	19710929	ZA 1970-7985	19701125
BR 7024157	A0	19730307	BR 1970-224157	19701125

PRIORITY APPLN. INFO.: CS 1969-7751 19691125
IT 1526-83-6P 4774-29-2P 4789-61-1P 4809-80-7P 6746-45-8P
7049-69-6P 13420-99-0P **13448-22-1P** 16174-71-3P 16174-79-1P
16175-00-1P 16185-11-8P 16219-07-1P 16926-48-0P 16964-06-0P
18664-56-7P 18680-16-5P 19905-05-6P 19905-11-4P 20229-30-5P
20229-31-6P 23048-89-7P 24579-08-6P 26791-18-4P 26791-23-1P
27139-61-3P 28889-96-5P 29599-83-5P 29599-84-6P 29599-85-7P

29604-16-8P 29728-68-5P 30297-53-1P 30297-55-3P 30297-71-3P
30297-72-4P 30311-75-2P 30311-78-5P 30319-56-3P 30319-57-4P
30319-60-9P 30319-63-2P 30319-64-3P 30319-65-4P 30319-66-5P
30319-67-6P 30319-72-3P 30319-76-7P 30319-80-3P 30319-81-4P
32205-73-5P 34083-30-2P 34770-63-3P 34770-86-0P 34773-35-8P
34775-50-3P 34775-51-4P 35780-53-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

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L16 1 METHIOTHEPIN/CN

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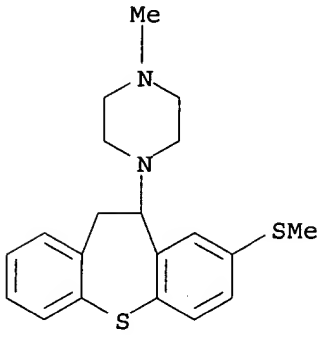
L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

RN 20229-30-5 REGISTRY

62, 64-66 67 69, 70 71, 83 84

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56, 57 59, 60

L13 ANSWER 71 OF 84 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1972:405533 CAPLUS
DOCUMENT NUMBER: 77:5533
TITLE: Tricyclic compounds having piperazinyl substituent
INVENTOR(S): Umio, Suminori; Maeno, Yasuo; Sato, Yoshiya; Ueda, Ikuo
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd.
SOURCE: Jpn. Tokkyo Koho, 5 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 47007795	B4	19720306	JP 1968-21695	19680401

IT 1526-83-6P 4774-32-7P 4789-68-8P **13448-22-1P** 22012-13-1P
22487-46-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)